

1647

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/323,854

DATE: 11/16/2000
TIME: 19:18:14

Input Set : A:\79997124.app
Output Set : N:\CRF3\11162000\I323854.raw

3 <110> APPLICANT: TAM, CHERK SHING
5 <120> TITLE OF INVENTION: BONE STIMULATING FACTOR
7 <130> FILE REFERENCE: 079997/0124
9 <140> CURRENT APPLICATION NUMBER: 09/323,854
10 <141> CURRENT FILING DATE: 1999-06-02
12 <150> PRIOR APPLICATION NUMBER: PCT/CA97/00967
13 <151> PRIOR FILING DATE: 1997-12-11
15 <150> PRIOR APPLICATION NUMBER: 08/763,458
16 <151> PRIOR FILING DATE: 1996-12-11
18 <150> PRIOR APPLICATION NUMBER: PCT/CA96/00401
19 <151> PRIOR FILING DATE: 1996-06-07
21 <160> NUMBER OF SEQ ID NOS: 63
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 36
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
32 derived from Rattus sp.
34 <400> SEQUENCE: 1
35 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
36 1 5 10 15
38 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp
39 20 25 30
41 Gln Asn Gln Pro
42 35
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 36
47 <212> TYPE: PRT
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
52 derived from Rattus sp.
54 <220> FEATURE:
55 <221> NAME/KEY: MOD_RES
56 <222> LOCATION: (1)
57 <223> OTHER INFORMATION: N-acetyl glycine
59 <400> SEQUENCE: 2
60 Xaa Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
61 1 5 10 15
63 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp
64 20 25 30
66 Gln Asn Gln Pro
67 35
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 36

ENTERED

RECEIVED

NOV 29 2000

TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/323,854

DATE: 11/16/2000
TIME: 19:18:14

Input Set : A:\79997124.app
Output Set: N:\CRF3\11162000\I323854.raw

```

72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
77   derived from Rattus sp.
79 <400> SEQUENCE: 3
80 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Ala Lys Ile Lys
81   1           5           10           15
83 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp
84   20           25           30
86 Gln Asn Gln Pro
87   35
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 30
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
97   derived from Rattus sp.
99 <400> SEQUENCE: 4
100 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
101   1           5           10           15
103 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val
104   20           25           30
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 25
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
114   derived from Rattus sp.
116 <400> SEQUENCE: 5
117 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
118   1           5           10           15
120 Pro Asn Thr Leu His Lys Lys Ala Ala
121   20           25
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 20
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
131   derived from Rattus sp.
133 <400> SEQUENCE: 6
134 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
135   1           5           10           15
137 Pro Asn Thr Leu
138   20
141 <210> SEQ ID NO: 7

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/323,854

DATE: 11/16/2000
 TIME: 19:18:14

Input Set : A:\79997124.app
 Output Set: N:\CRF3\11162000\I323854.raw

142 <211> LENGTH: 15
 143 <212> TYPE: PRT
 144 <213> ORGANISM: Artificial Sequence
 146 <220> FEATURE:
 147 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
 148 derived from Rattus sp.
 150 <400> SEQUENCE: 7
 151 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile
 152 1 5 10 15
 155 <210> SEQ ID NO: 8
 156 <211> LENGTH: 14
 157 <212> TYPE: PRT
 158 <213> ORGANISM: Artificial Sequence
 160 <220> FEATURE:
 161 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
 162 derived from Rattus sp.
 164 <400> SEQUENCE: 8
 165 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys
 166 1 5 10
 169 <210> SEQ ID NO: 9
 170 <211> LENGTH: 10
 171 <212> TYPE: PRT
 172 <213> ORGANISM: Artificial Sequence
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
 176 derived from Rattus sp.
 178 <400> SEQUENCE: 9
 179 Arg Thr Asn Glu His Thr Ala Asp Cys Lys
 180 1 5 10
 183 <210> SEQ ID NO: 10
 184 <211> LENGTH: 16
 185 <212> TYPE: PRT
 186 <213> ORGANISM: Artificial Sequence
 188 <220> FEATURE:
 189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
 190 derived from Rattus sp.
 192 <400> SEQUENCE: 10
 193 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln Asn Gln
 194 1 5 10 15
 197 <210> SEQ ID NO: 11
 198 <211> LENGTH: 15
 199 <212> TYPE: PRT
 200 <213> ORGANISM: Artificial Sequence
 202 <220> FEATURE:
 203 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
 204 derived from Rattus sp.
 206 <400> SEQUENCE: 11
 207 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln Asn
 208 1 5 10 15

RECEIVED

NOV 29 2000

TECH CENTER 1500/2000

11/16/00

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/323,854

DATE: 11/16/2000
 TIME: 19:18:14

Input Set : A:\79997124.app
 Output Set: N:\CRF3\11162000\I323854.raw

```

211 <210> SEQ ID NO: 12
212 <211> LENGTH: 14
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
218     derived from Rattus sp.
220 <400> SEQUENCE: 12
221 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln
222   1                               5               10
225 <210> SEQ ID NO: 13
226 <211> LENGTH: 13
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
232     derived from Rattus sp.
234 <400> SEQUENCE: 13
235 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp
236   1                               5               10
239 <210> SEQ ID NO: 14
240 <211> LENGTH: 23
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
246     derived from Rattus sp.
248 <400> SEQUENCE: 14
249 Thr Ala Asp Cys Lys Ile Lys Pro Asn Thr Leu His Lys Lys Ala Ala
250   1                               5               10               15
252 Glu Thr Leu Met Val Leu Asp
253   20
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 30
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
263     derived from Rattus sp.
265 <400> SEQUENCE: 15
266 Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys Pro Asn Thr Leu
267   1                               5               10               15
269 His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln Asn
270   20               25               30
273 <210> SEQ ID NO: 16
274 <211> LENGTH: 11
275 <212> TYPE: PRT
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:

```

11/16/00

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/323,854

DATE: 11/16/2000
TIME: 19:18:14

Input Set : A:\79997124.app
Output Set : N:\CRF3\11162000\I323854.raw

279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
280 derived from Rattus sp.
282 <400> SEQUENCE: 16
283 Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile
284 1 5 10
287 <210> SEQ ID NO: 17
288 <211> LENGTH: 90
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA derived
294 from Rattus sp.
296 <220> FEATURE:
297 <221> NAME/KEY: CDS
298 <222> LOCATION: (1)..(90)
300 <400> SEQUENCE: 17
301 ggg atc gga aaa cga aca aat gaa cat acg gca gat tgt aaa att aaa 48
302 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
303 1 5 10 15 90
305 ccg aac acc ttg cat aaa aaa gct gca gaa act tta atg gtc
306 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val
307 20 25 30
310 <210> SEQ ID NO: 18
311 <211> LENGTH: 75
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA derived
317 from Rattus sp.
319 <220> FEATURE:
320 <221> NAME/KEY: CDS
321 <222> LOCATION: (1)..(75)
323 <400> SEQUENCE: 18
324 ggg atc gga aaa cga aca aat gaa cat acg gca gat tgt aaa att aaa 48
325 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
326 1 5 10 15 75
328 ccg aac acc ttg cat aaa aaa gct gca
329 Pro Asn Thr Leu His Lys Lys Ala Ala
330 20 25
333 <210> SEQ ID NO: 19
334 <211> LENGTH: 60
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA derived
340 from Rattus sp.
342 <220> FEATURE:
343 <221> NAME/KEY: CDS
344 <222> LOCATION: (1)..(60)

FI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

11/16/00

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/323,854DATE: 11/16/2000
TIME: 19:18:15Input Set : A:\79997124.app
Output Set : N:\CRF3\11162000\I323854.raw

L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63